| | |
|---|---|
| **NWS Form E-5**<br>U.S. DEPARTMENT OF COMMERCE<br>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE<br><br>**MONTHLY REPORT OF HYDROLOGIC CONDITIONS** | **HYDROLOGIC SERVICE AREA:**<br>Pocatello, Idaho<br><br>**REPORT FOR:**<br><br>**MONTH:** February **YEAR:** 2015 |
| **TO:** Hydrologic Operations Division, W/OH2<br>National Weather Service<br>National Oceanic and Atmospheric Administration<br>Silver Spring, Maryland 20910 | **SIGNATURE**<br><br>Corey Loveland<br>Service Hydrologist<br><br>**DATE:** March 16, 2015 |
| When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924). | |

X **An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.**

## Overview:

Warm temperatures and dry conditions is the headline news story for February across the Hydrologic Service Area (HSA). Overall, about an inch to one half inch of precipitation fell across the mountainous areas and about a quarter of an inch across the Snake River Plain according to AHPS data. Total snowfall ranged from about 0 to 6 inches over the HSA. The temperature departure from normal for January shows that across the HSA, temperatures were mostly 10 to 16 degrees F above normal within the HSA (see graphic below). Mean average temperatures ranged from 22 to 42 degrees F across the area. The Oakley and Massacre Rocks COOP stations have had 11 days with average temperatures above 45 degrees F in February.

Current mountain snowpack is looking pretty grim as we edge toward spring. With higher than normal temperatures and little precipitation, the water supply is quickly diminishing and drier conditions prevailing. In fact, 8 SNOTEL sites and 30 snow courses didn't have any snow on March 1st. Snowpack in the Little Lost is 65% of median and similar to last year. The Oakley basin is currently at 91% of normal for snowpack and has only three-quarters of its seasonal peak. Snowpack has already started to melt in the higher elevations in the Southside Snake River basins. Irrigation shortages are likely in the Southside basins.

As far as the short-term 8 to 14 day Climate Prediction Center Outlook is concerned, the forecast is a 50 to 60 percent chance of above normal temperatures in eastern Idaho (across the entire West) and a near normal chance of precipitation (with slightly better chances in the upper Henrys Fork). The one-month forecast graphics are below. For the three-month outlook, we stand to have a 33-40% chance of above normal temperatures within the HSA and for precipitation, the outlook is for 33% above normal conditions across eastern Idaho in the next three months.

Of the data available for the month, the station within the HSA reaching the highest 24-hour temperature (non-SNOTEL) was the Minidoka Dam COOP station which reached 68°F on the 7th. The station with the lowest recorded temperature was the Copper Basin RAWS station at -18°F on February 23rd. The highest recorded 24-hr precipitation (non-SNOTEL) occurred at the Ketchum Ranger Station COOP where 1.00 inch fell on the 7th. The highest recorded precipitation total (non-SNOTEL) occurred at the Stanley COOP site where 1.84 total inches was recorded. The Emigrant Summit SNOTEL station received the most snowfall which recorded 3.80 inches of precipitation total for the month. The second highest was the Dollarhide Summit SNOTEL recording 3.39 total inches.

Reservoirs last month increased capacity overall by around 5% in the upper Snake River basin system (an increase of about 178 KAF occurred over the month and is currently sitting at 80% of capacity overall). Compared to last year at this time, it was about 49% of capacity. According to NRCS and U.S. Bureau of Reclamation reservoir data, the most notable increases were Little Wood storing 16%, Magic 12% and Mackay Reservoirs increasing 9% of capacity. Jackson Lake decreased by 1 percent. Of reservoir storage significance, the Oakley Reservoir is currently 79% of average, Little Wood Reservoir is 98% of average and Magic Reservoir is sitting at 84% of average. American Falls reservoir is at 103% capacity.

Current streamflow conditions in eastern Idaho are mostly near normal for monthly streamflows for the majority of the unregulated streams (see graphic below).

Drought conditions across eastern Idaho have degraded since last month's assessment. Abnormally Dry conditions have been assigned to more of Fremont County (Henrys Fork) and all across southeast Idaho. Currently, about 15 percent and near 35 percent of the state is in Severe and Moderate drought respectively. The U.S. Seasonal Drought Outlook continues to forecast drought to persist/intensify across the central mountains and middle Snake River plain where the extreme eastern Idaho and southeast counties are excluded from the outlook.

According to the Idaho NRCS Snow Survey March 1st Idaho Surface Water Supply Index (SWSI); combining streamflow volume forecasts and reservoir storage (where appropriate), rates the greatest valued basin for water supply within the HSA as being the Snake (Heise) basin. The basin was given a SWSI rating of 1.1 (near normal). This rating reflects overall water availability in the basins and are mostly used for irrigational planning purposes. The two lowest ranked basins within the HSA are the Oakley and Little Lost basins rated at -0.9 and -1.7 respectively, which are near to below normal. All basins within the HSA are near to below average for the streamflow volume forecasts with the upper Snake basin fairing the best and the Wood and Lost River basins doing the worst. The climate forecasters have indicated we are in El Niño conditions.

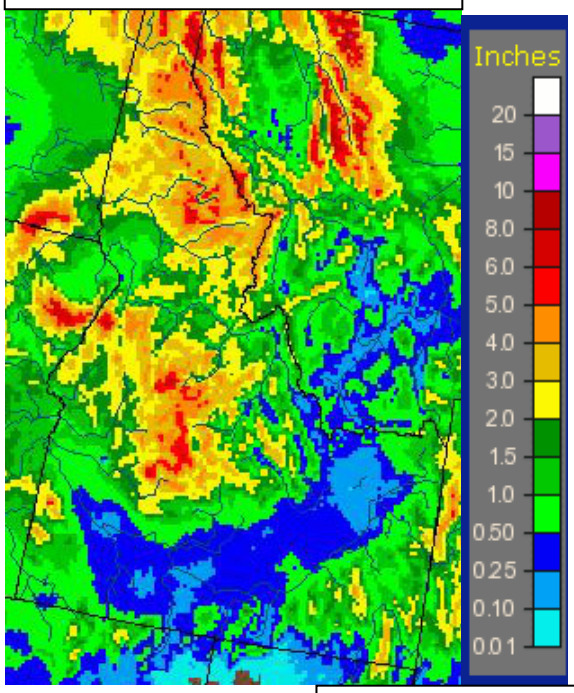
For more information on the Idaho Surface Water Supply Index (SWSI) March 1st Outlook please visit:
ftp://ftp-fc.sc.egov.usda.gov/ID/snow/webftp/swsi/tables/Feb/SWSI03.pdf

For more information on the Idaho Water Supply March 1st Outlook please go to:
ftp://ftp-fc.sc.egov.usda.gov/ID/snow/webftp/wsor/2015/borid315.pdf

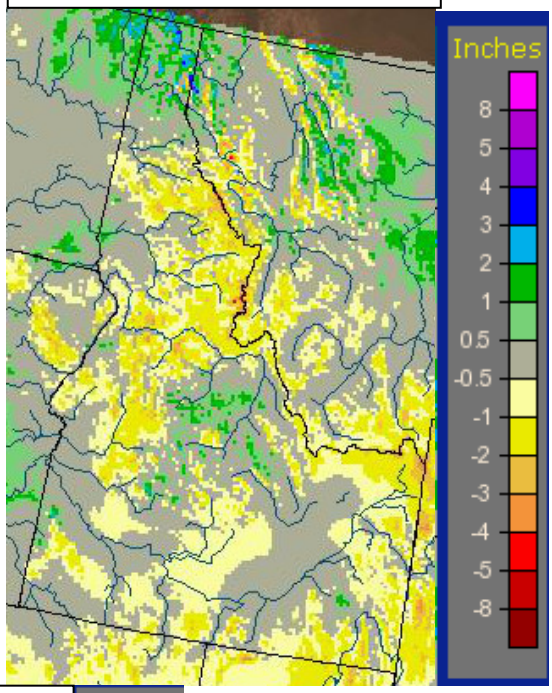
See NWRFC, CBRFC, and NRCS Official March 1st beginning of water supply season streamflow volume forecasts below.

**Precipitation:**

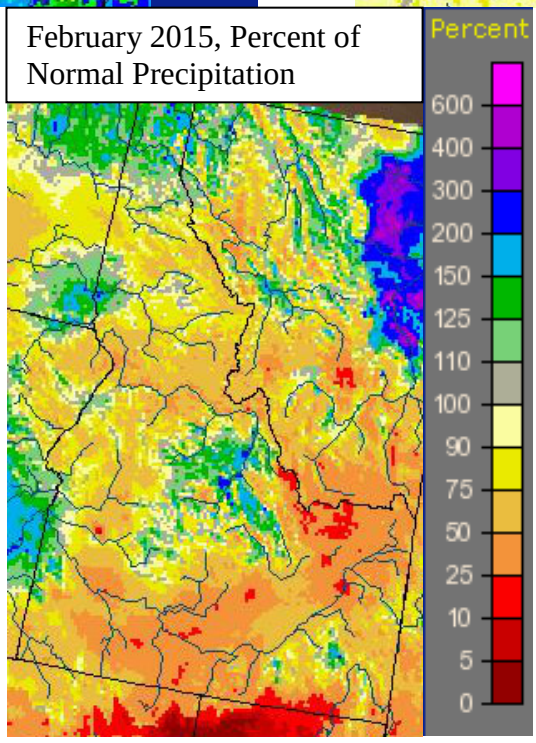
February 2015, Observed Precipitation



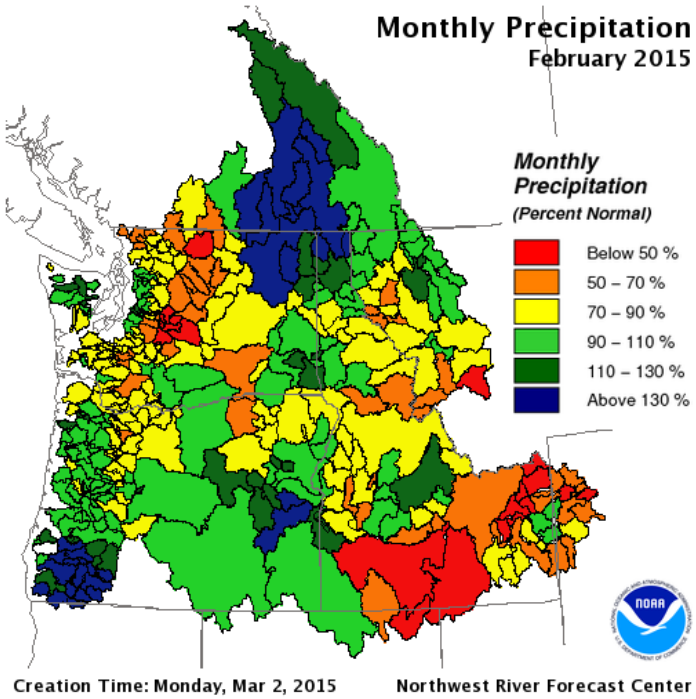

February 2015, Departure from Normal Precipitation



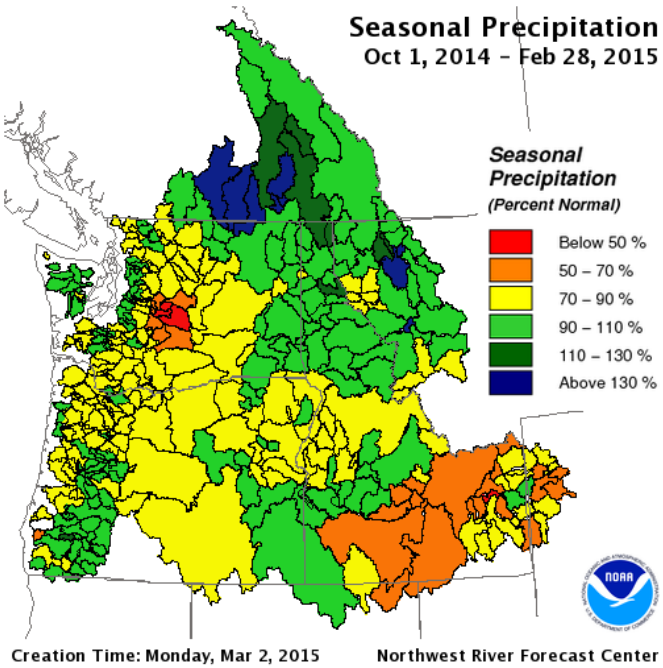

February 2015, Percent of Normal Precipitation



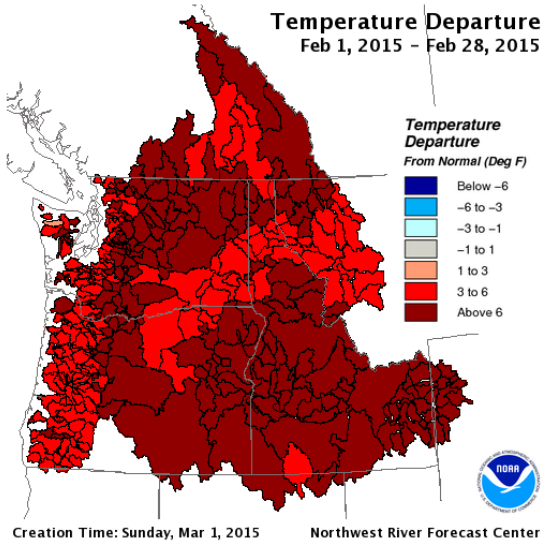

**water.weather.gov/precip/index.php**



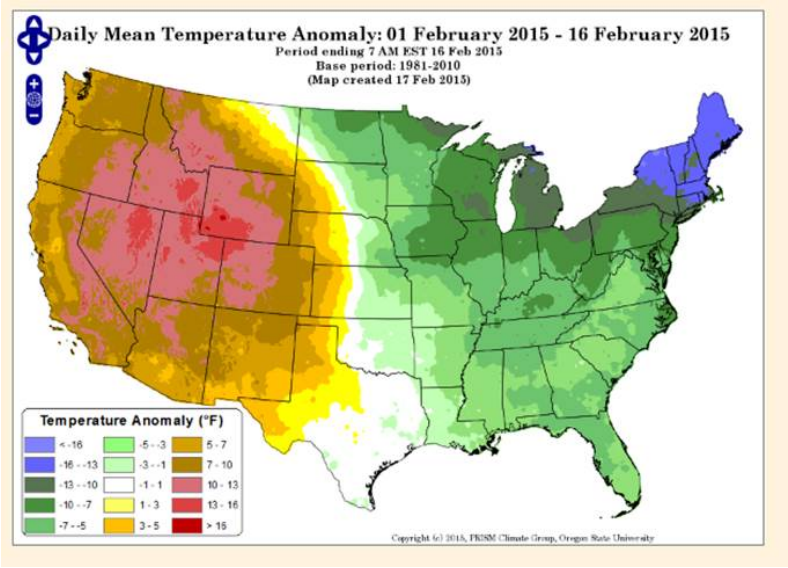

nwrfc.noaa.gov/WAT_RES_wy_summary/20150306/MonthMAP_2015Feb_2015030616.png



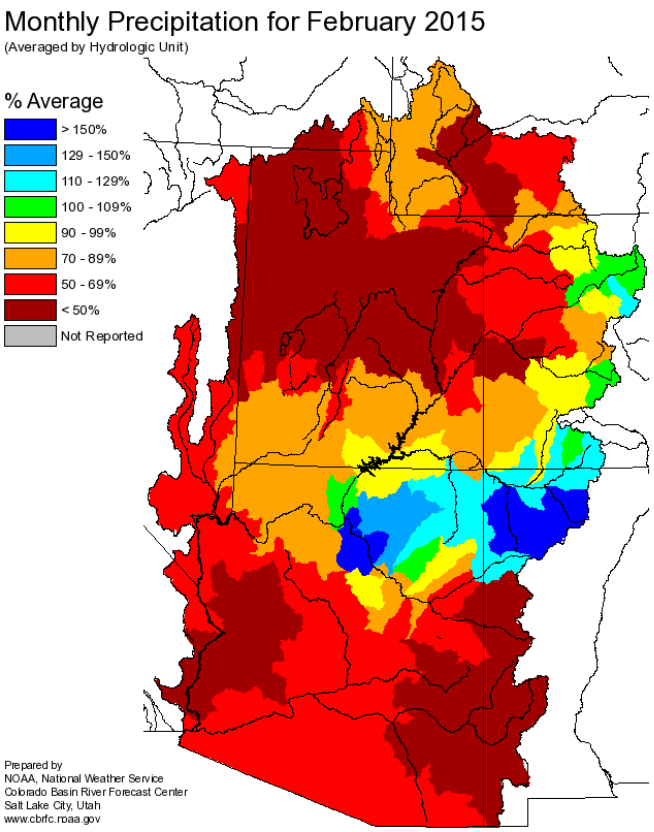

nwrfc.noaa.gov/WAT_RES_wy_summary/20150306/SeasonalMAP_WY2015_OCT_FEB.2015030616.png



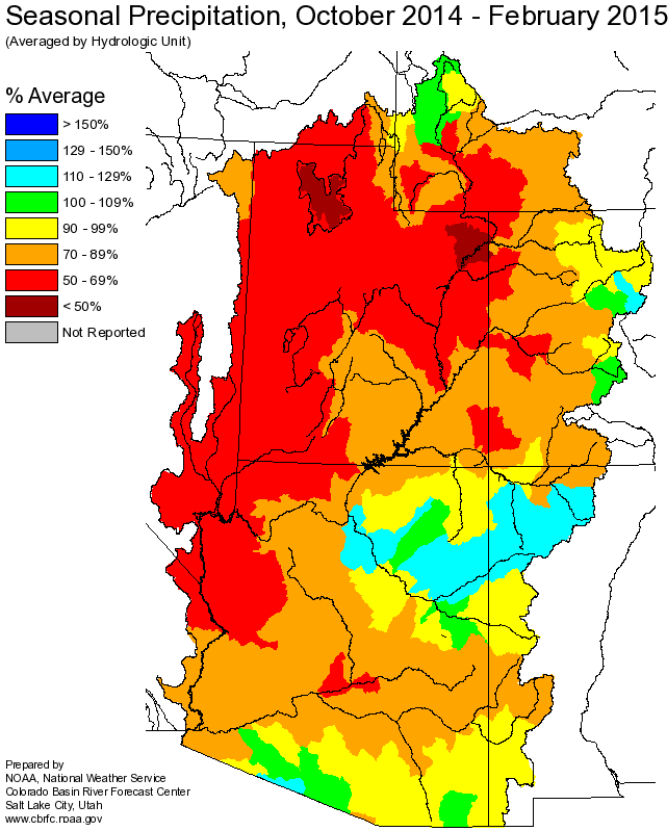

nwrfc.noaa.gov/WAT_RES_wy_summary/20150301/CurMonMAT_2015Feb28_2015030116.png



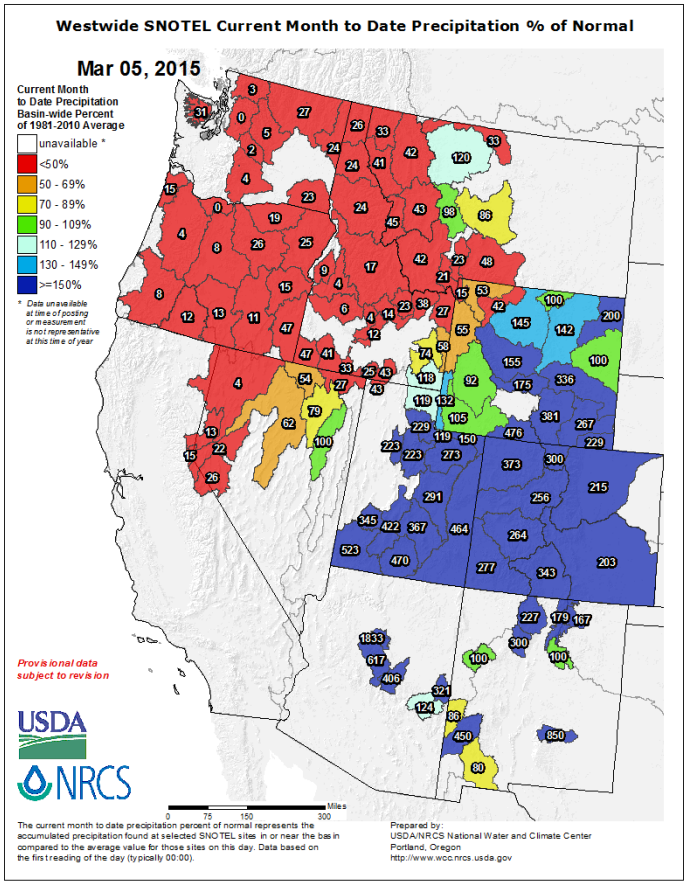

**prism.oregonstate.edu/**

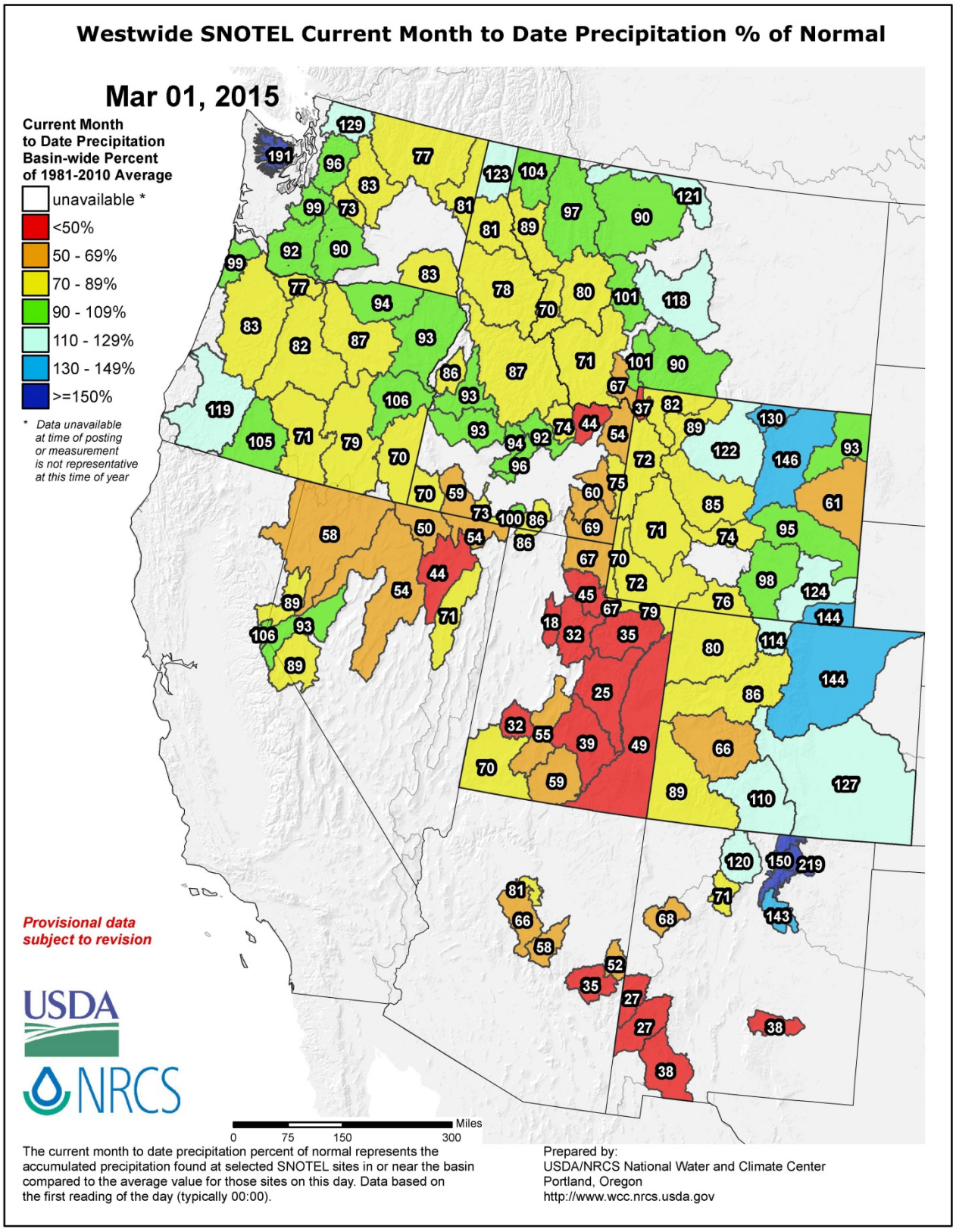



cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?M?2015?02



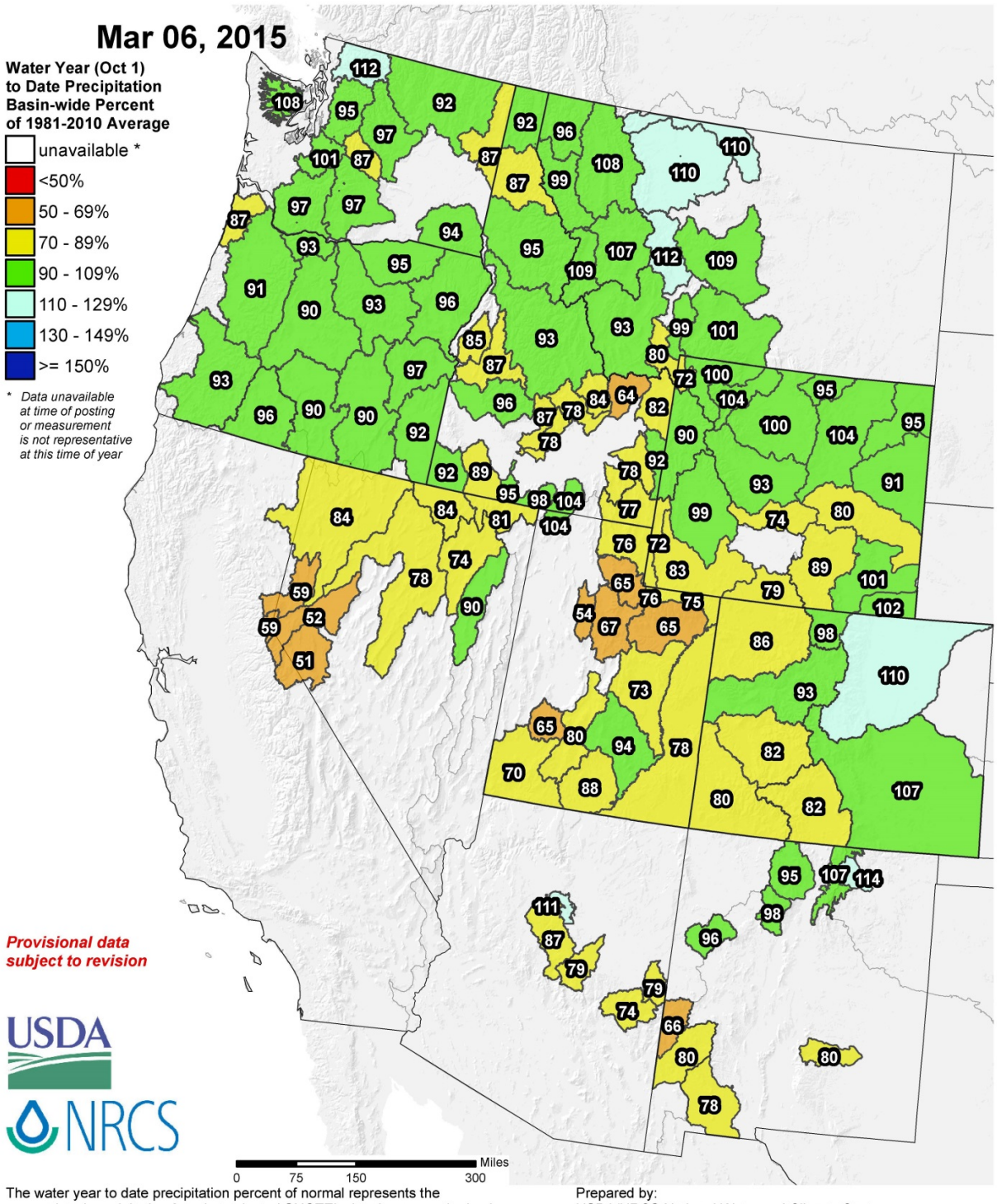

cbrfc.noaa.gov/product/mapsum/mapsum.cgi??cbrfc?S?2015?02






wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/1stmonth/west/prec/west_mtdprecpctnormal_update_Mar.pdf

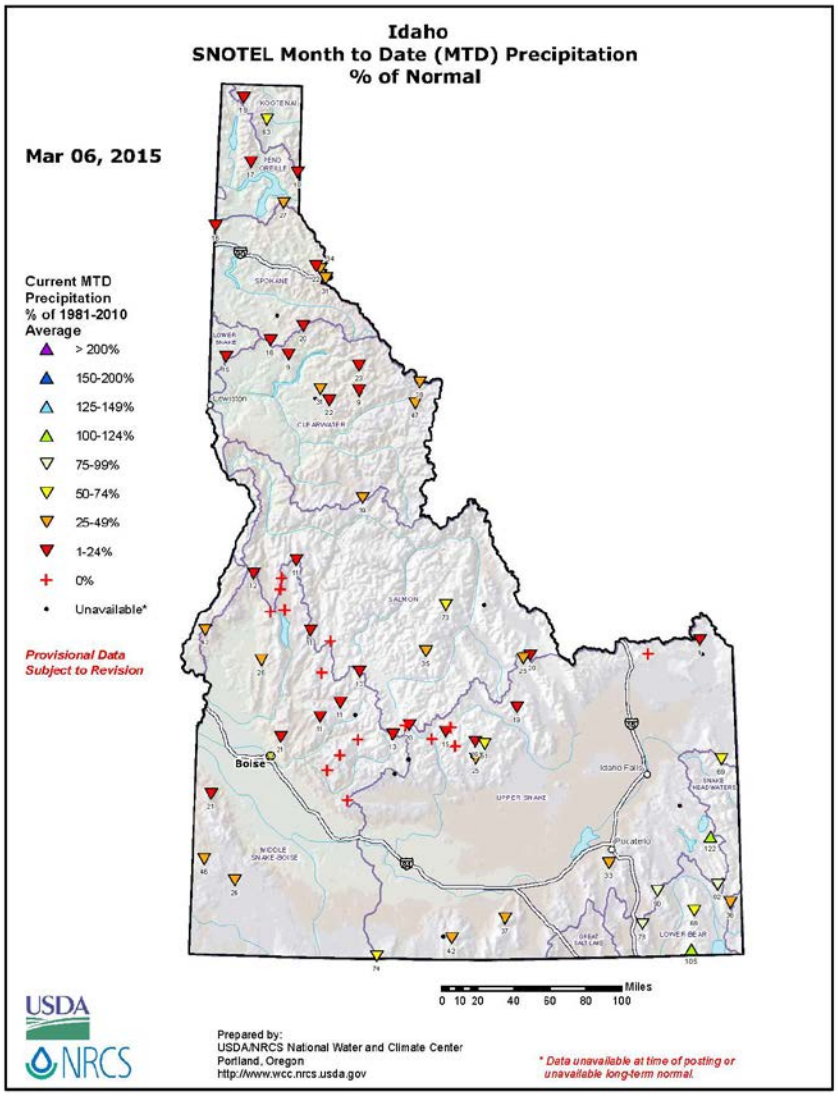
## Westwide SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal



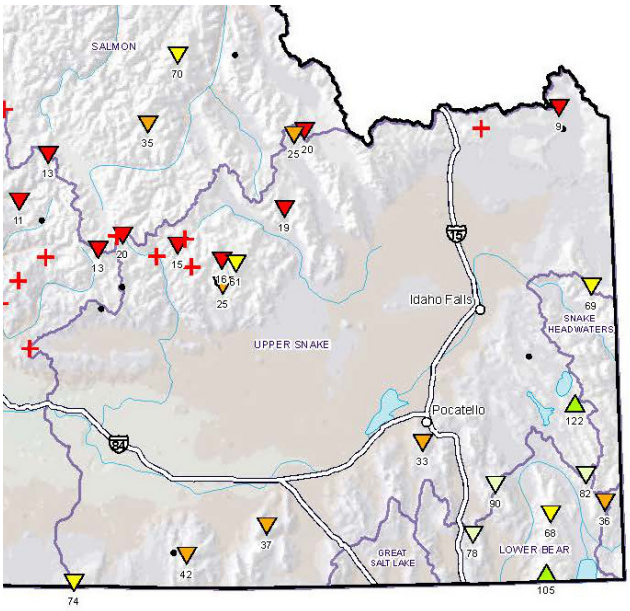

The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/west_wytdprecpctnormal_update.pdf



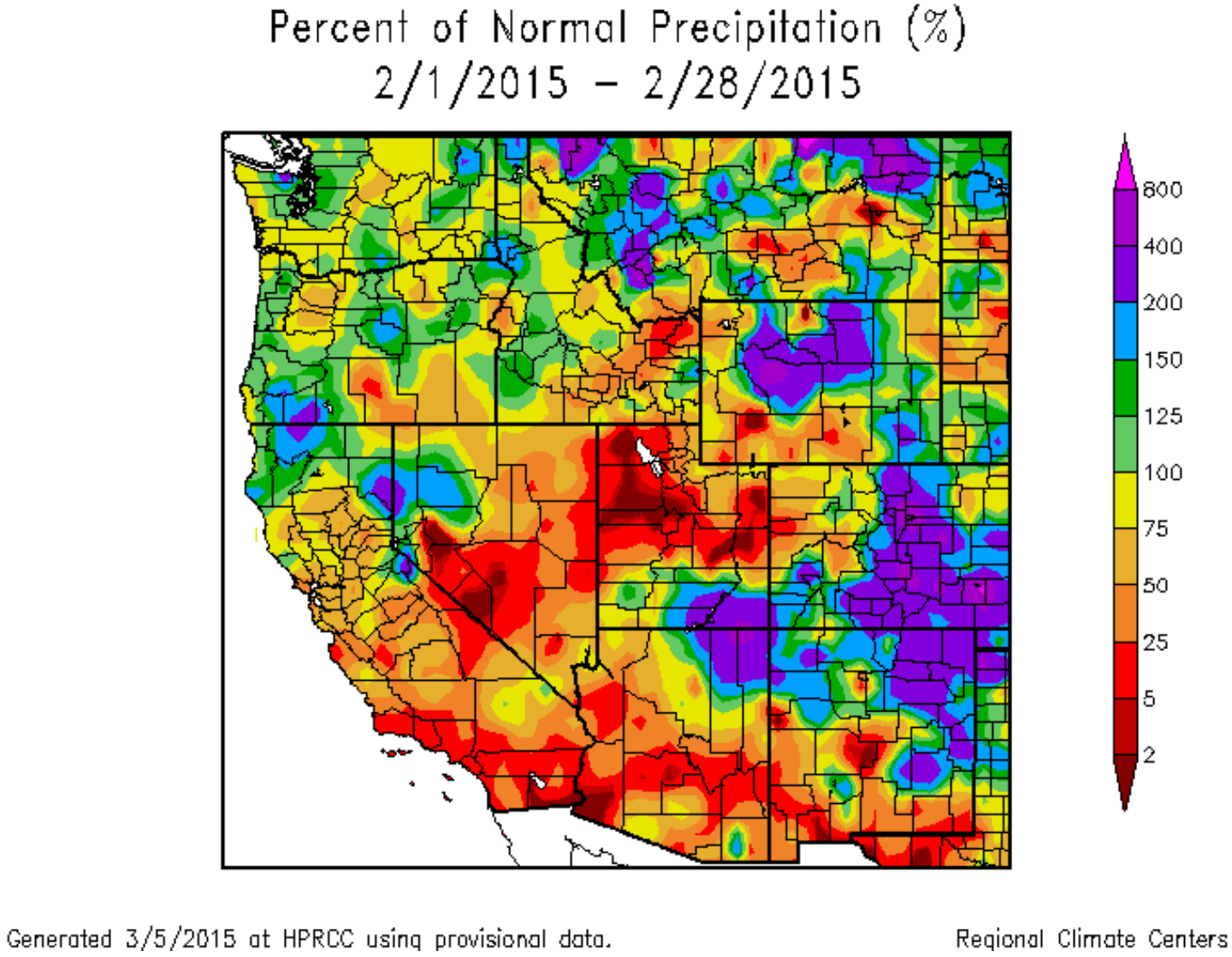

**wcc.nrcs.usda.gov/ftpref/data/water/wcs/gis/maps/id_mtdprecpctnormal.pdf**




**SNOTEL MTD % of Normal Precipitation for end of February 2015**
**(image is cropped from above image)**

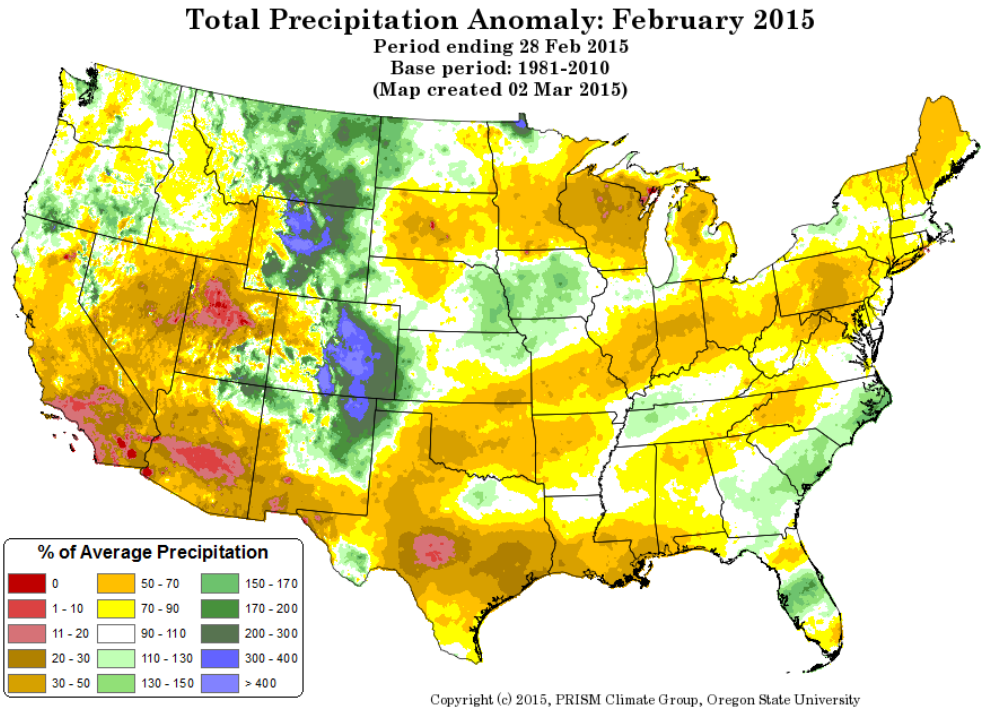
**Notice the red "Plus" signs of 0% of Avg at many central ID SNOTEL sites**

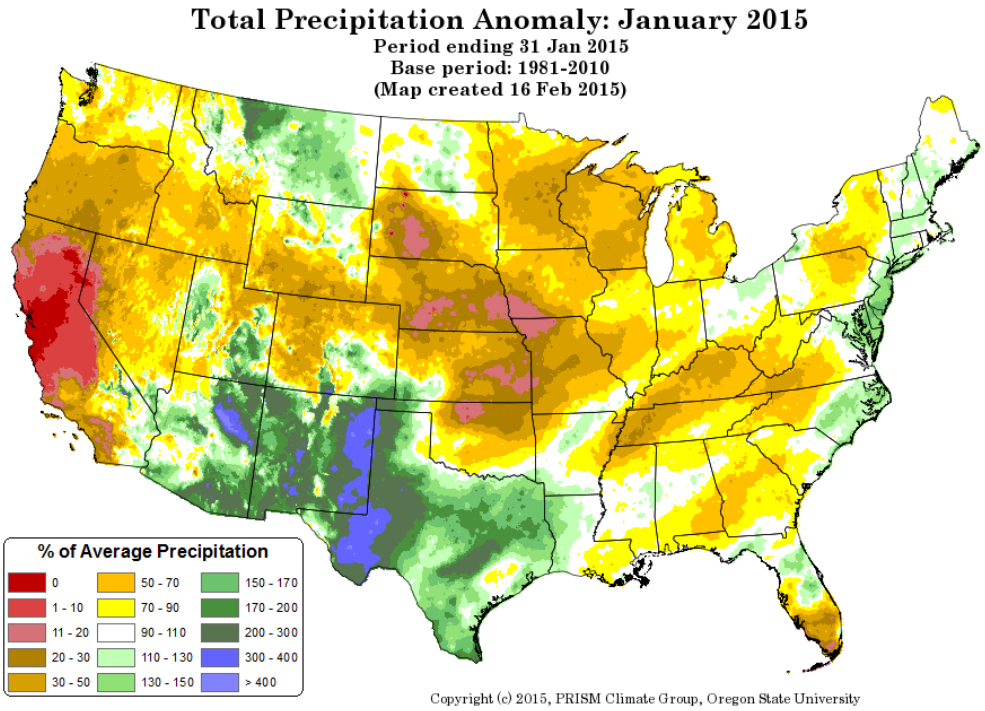
Again, February's precipitation pattern was fairly dry across the HSA; especially the Henrys Fork, central mountains and Snake River plain. The area near Palisades received above normal precipitation. The remainder of the area was not as fortunate receiving well below normal precipitation mostly in the 5-75% of normal range. Across the West, UT, NV AZ, CA, and Southern NM, was very dry, the Pacific NW was mixed but near normal, whereas parts of MT, WY, CO, NM and NE AZ faired very well for the month with amounts greater than 200% of normal.




**hprcc.unl.edu/maps/current/index.php?action=update_type&map_type=**

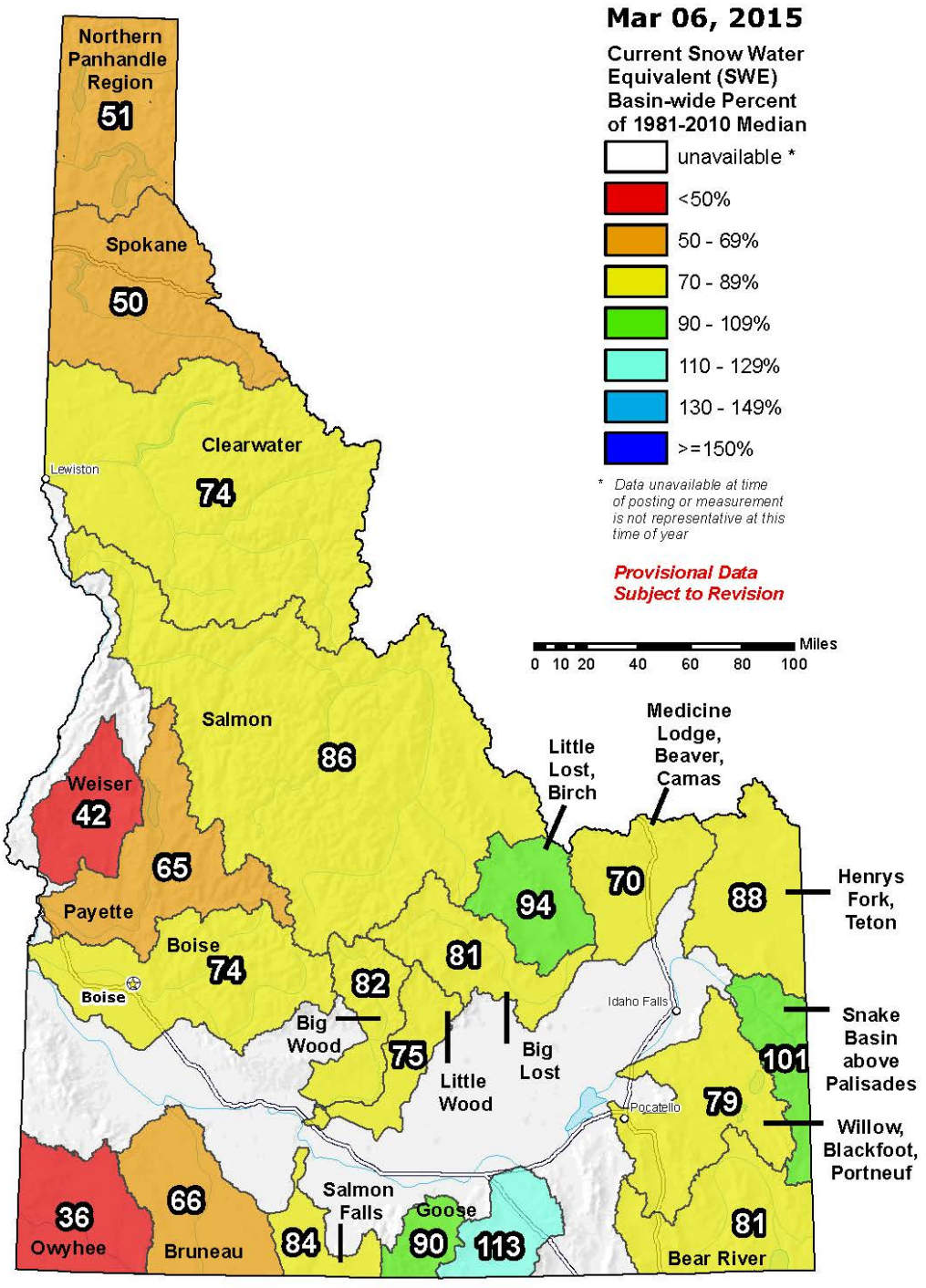
**February and January CONUS Precipitation Anomaly Comparisons:**




**prism.oregonstate.edu/comparisons**

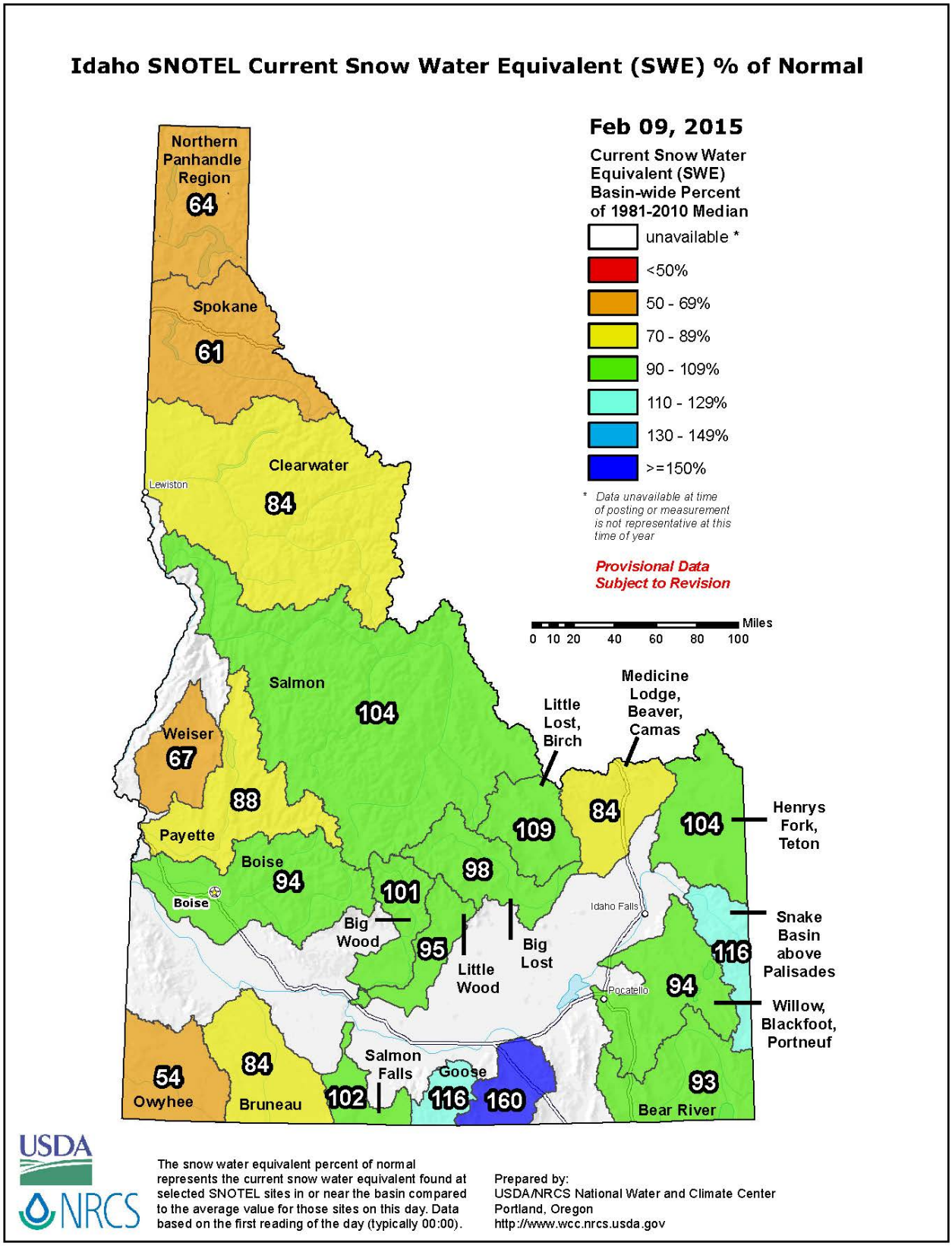
## Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal

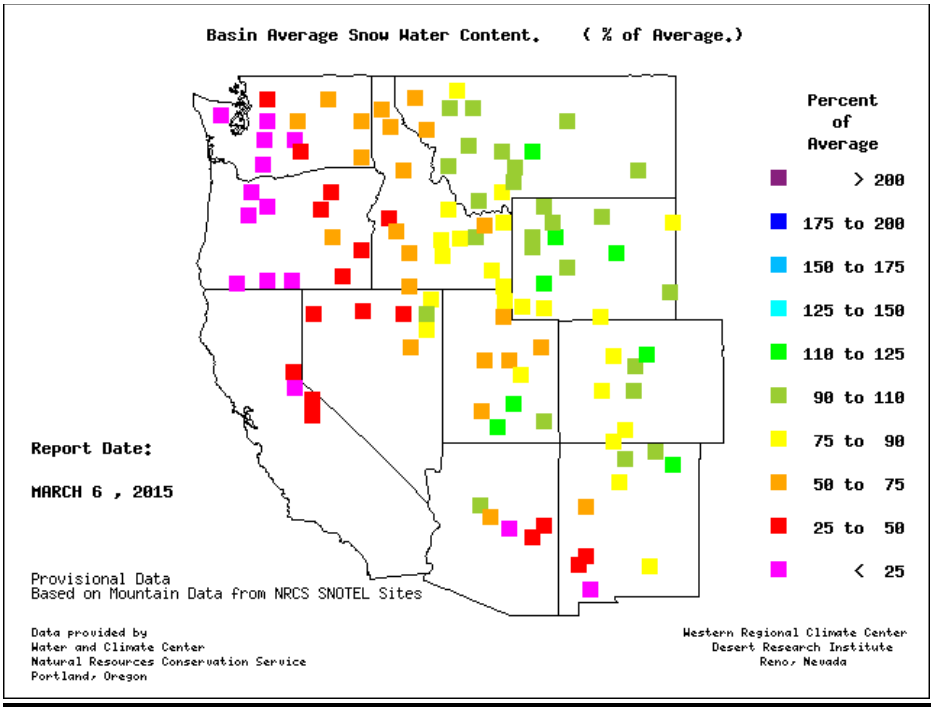



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

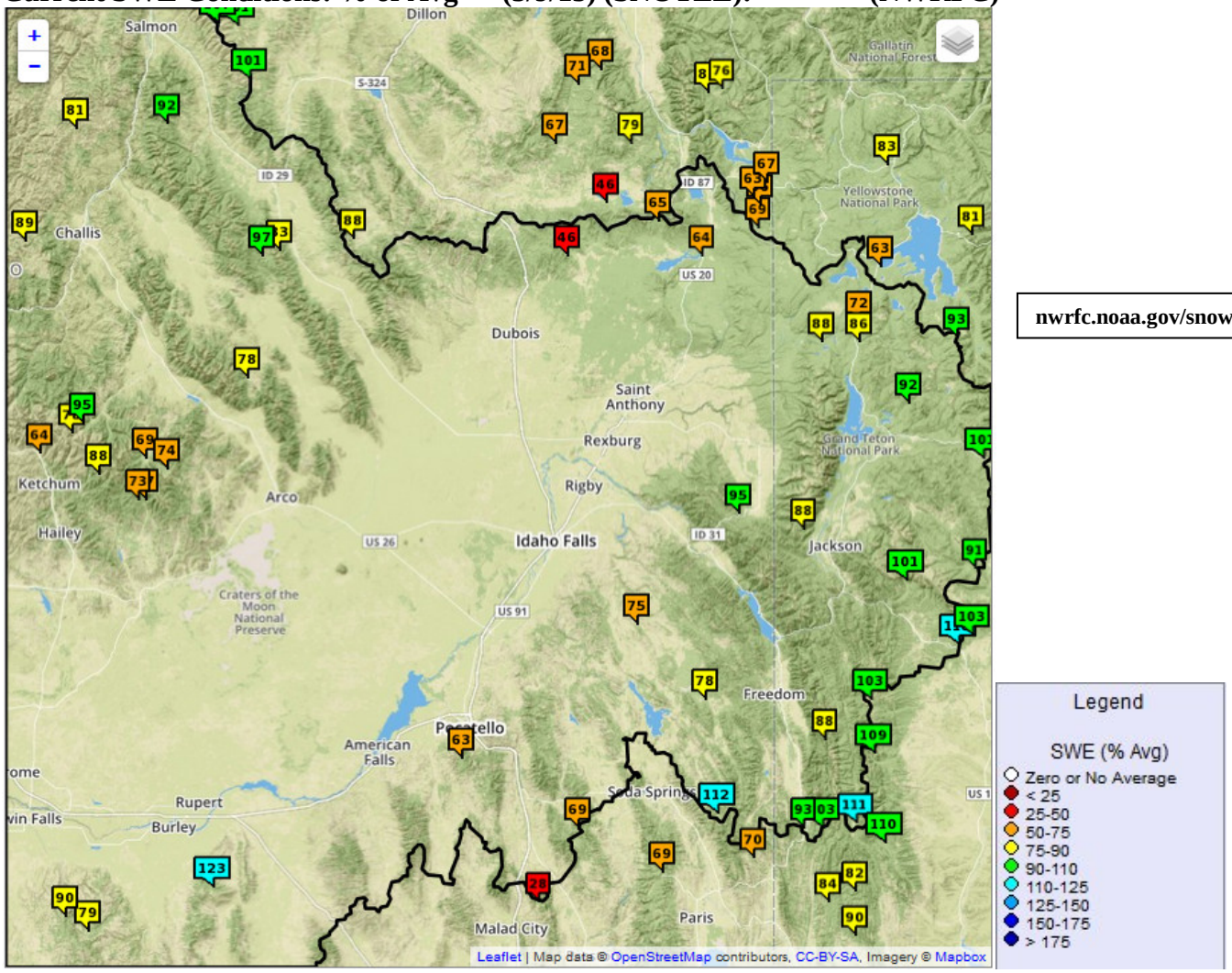
**Basinwide SWE compared to last month, reductions across all basins. Most notable losses were the Little Wood and Goose basins compared to last month, basins dropped between 12 and 20% (see below):**



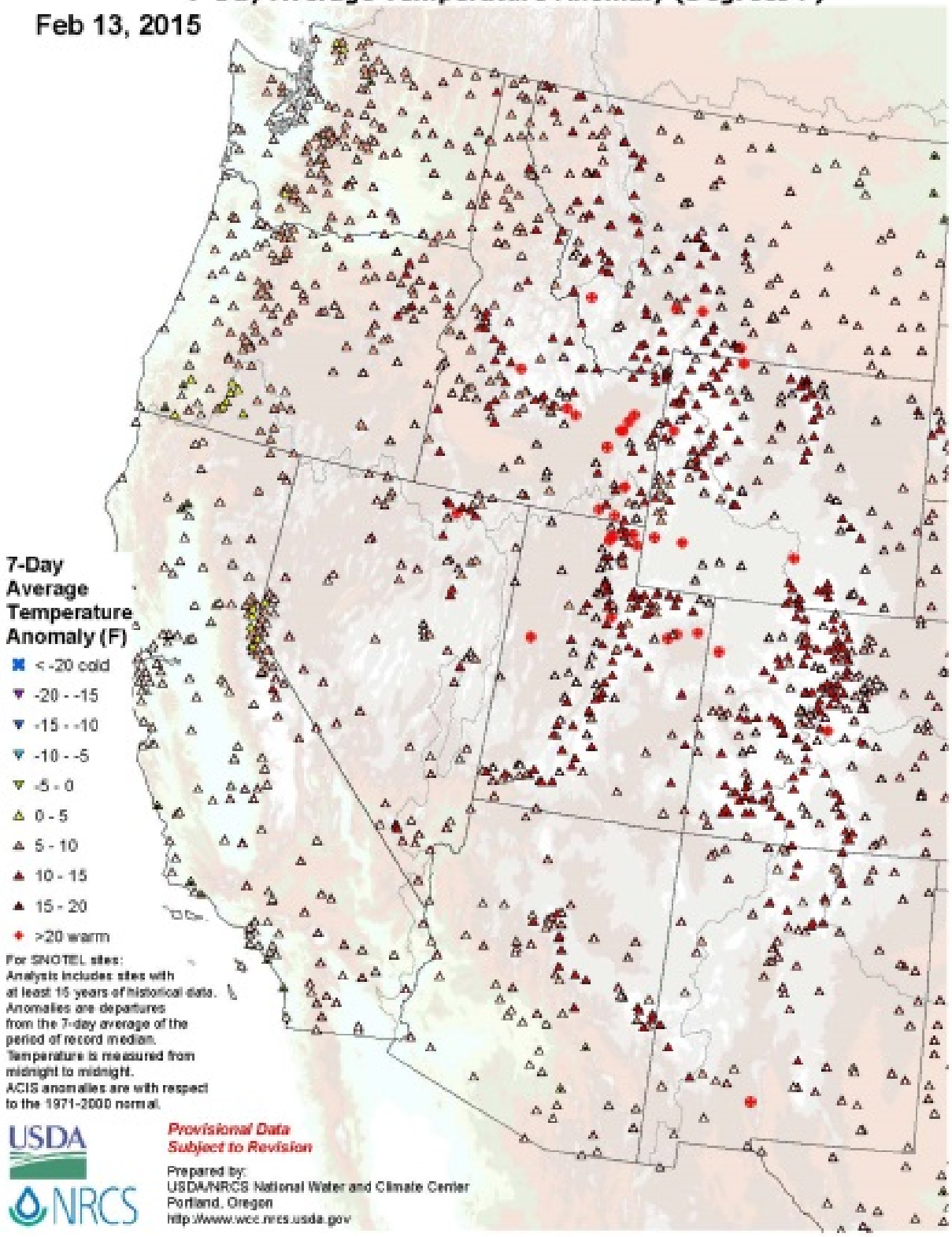


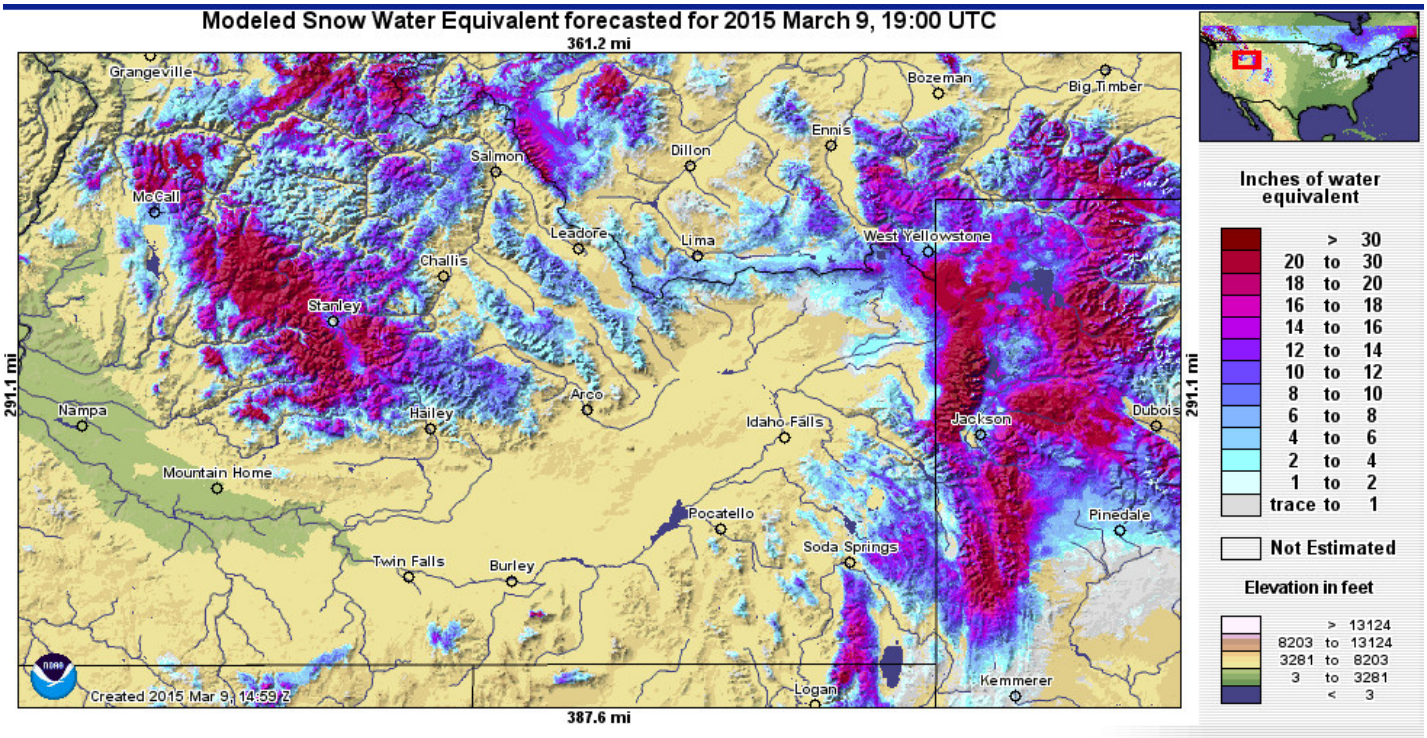

wrcc.dri.edu/snotelanom/basinswe.html

**Current SWE Conditions: % of Avg (3/9/15) (SNOTEL): (NWRFC)**




nwrfc.noaa.gov/snow

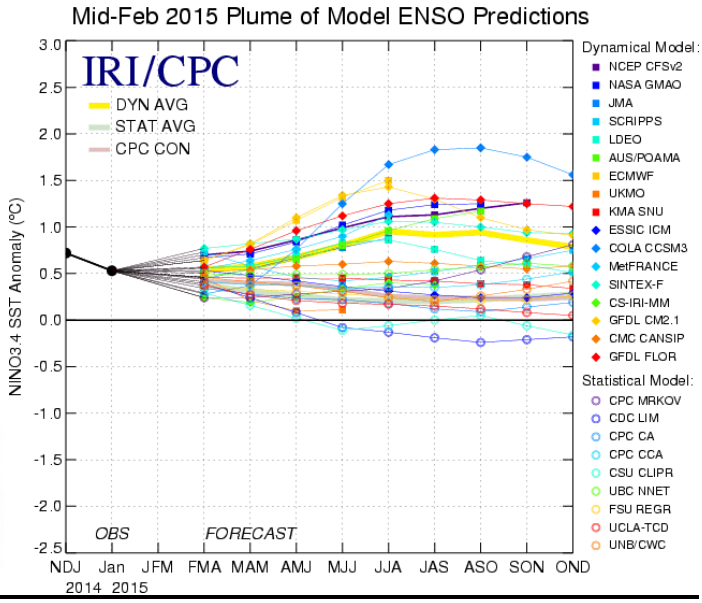

SNOTEL (solid) and ACIS (dot-filled) Networks
7-Day Average Temperature Anomaly (Degrees F)
Feb 13, 2015
7-Day Average Temperature Anomaly (F)
< -20 cold
-20 - -15
-15 - -10
-10 - -5
-5 - 0
0 - 5
5 - 10
10 - 15
15 - 20
>20 warm
For SNOTEL sites:
Analysis includes sites with at least 15 years of historical data.
Anomalies are departures from the 7-day average of the period of record median.
Temperature is measured from midnight to midnight.
ACIS anomalies are with respect to the 1971-2000 normal.
USDA
NRCS
Provisional Data
Subject to Revision
Prepared by:
USDA/NRCS National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

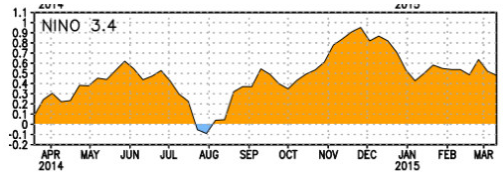



**nohrsc.noaa.gov/interactive/html/map.html**

## ENSO Update:

**Latest Observed SST Departure:** Niño 3.4 ~ 0.5 Deg C




**cpc.ncep.noaa.gov**, **iri.columbia.edu/climate/ENSO** ***and*** **cpc.ncep.noaa.gov/products/analysis_monitoring/enso_advisory/ensodisc.pdf**

**CPC Synopsis:** El Niño watch has been upgraded to ENSO- El Niño with a probability of 50-60% chance of the El Niño continuing in the Northern Hemisphere during summer 2015.

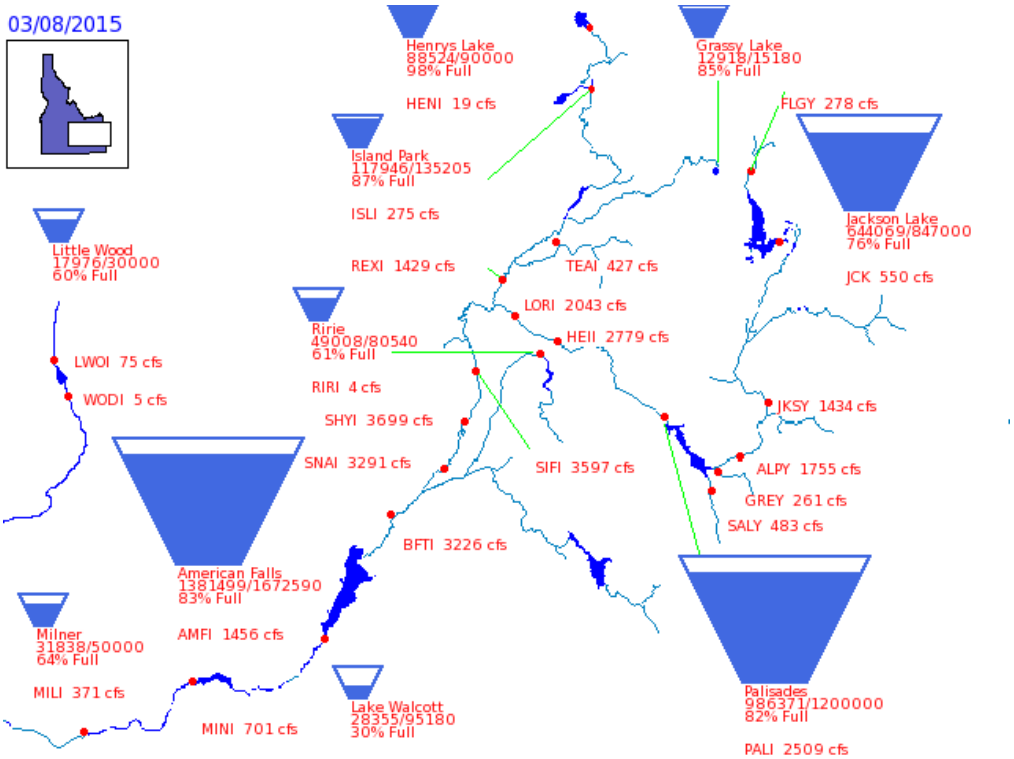
**Note:** The ENSO-El Niño advisory was issued on March 5th. Positive equatorial sea surface temperature (SSTs) anomalies continue across the Pacific Ocean. MJO has strengthened over the last week. The AO has been positive since mid-February.

**Reservoirs:**

| Reservoir | % Capacity January 31[1] | % Capacity February 28[2] | Percent Change | % of Average[2] | % of Average Last Year[2] |
|---|---|---|---|---|---|
| Henrys Lake | 98 | 98 | 0 | 110 | 94 |
| Island Park | 82 | 86 | 4 | 111 | 90 |
| Grassy Lake | 84 | 85 | 1 | 107 | 113 |
| Jackson Lake | 77 | 76 | -1 | 149 | 51 |
| Palisades | 81 | 85 | 4 | 128 | 58 |
| Ririe | 57 | 60 | 3 | 118 | 112 |
| Blackfoot | 48 | 50 | 2 | 92 | 90 |
| American Falls | 71 | 80 | 9 | 103 | 90 |
| Bear Lake | 42 | 44 | 2 | 96 | 94 |
| Magic | 20 | 32 | 12 | 84 | 68 |
| Little Wood | 41 | 57 | 16 | 98 | 83 |
| Mackay | 63 | 72 | 9 | 108 | 97 |
| Oakley | 23 | 26 | 3 | 79 | 72 |
| Lake Walcott | 21[3] | 30[4] | 1 | n/a | n/a |
| Milner | 65[3] | 64[4] | 4 | n/a | n/a |

**Source:** (1) NRCS January 31, 2014; (2) NRCS February 28, 2015.
(3) US Bureau of Reclamation (BOR) February 8, 2015 (4) BOR March 8, 2015

**wcc.nrcs.usda.gov/ftpref/support/water/SummaryReports/ID/BRes_3_2015.pdf**

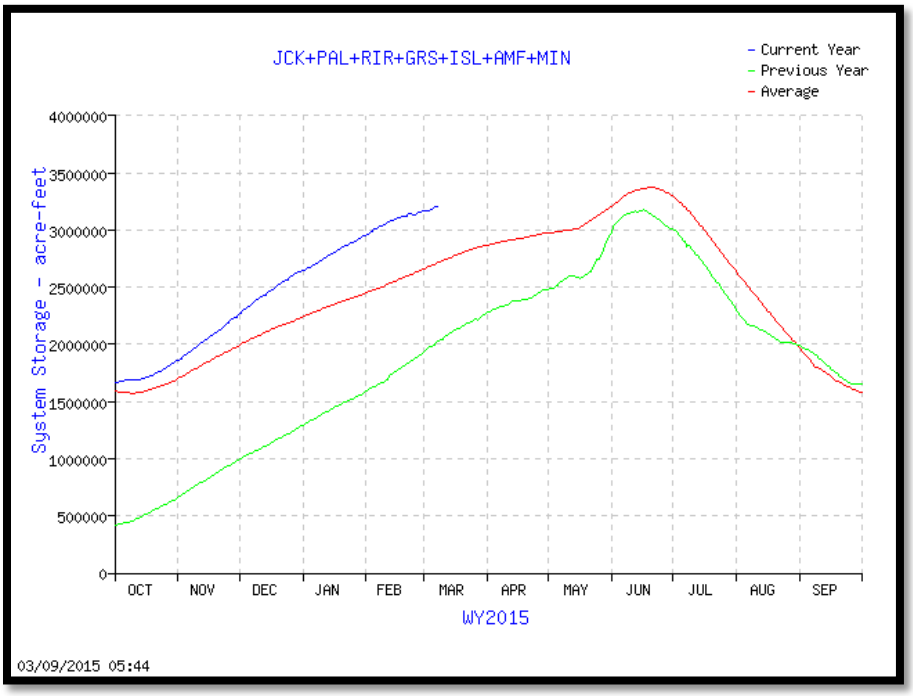



**80% of Capacity in Upper Snake River System**
**(Jackson Lake, Palisades, Grassy Lake, Island Park, Ririe, American Falls & Lake Walcott)**

**usbr.gov/pn/hydromet/burtea.html**

**Upper Snake River:**
**Total Space Available: 825,529 AF**
**Total Storage Capacity: 4,045,695 AF**

**Graph of Upper Snake River Current Total System Reservoir Storage**




**usbr.gov/pn-bin/graphwy2.pl?snasys_af**

## Bear River Basin Current Reservoir Conditions:

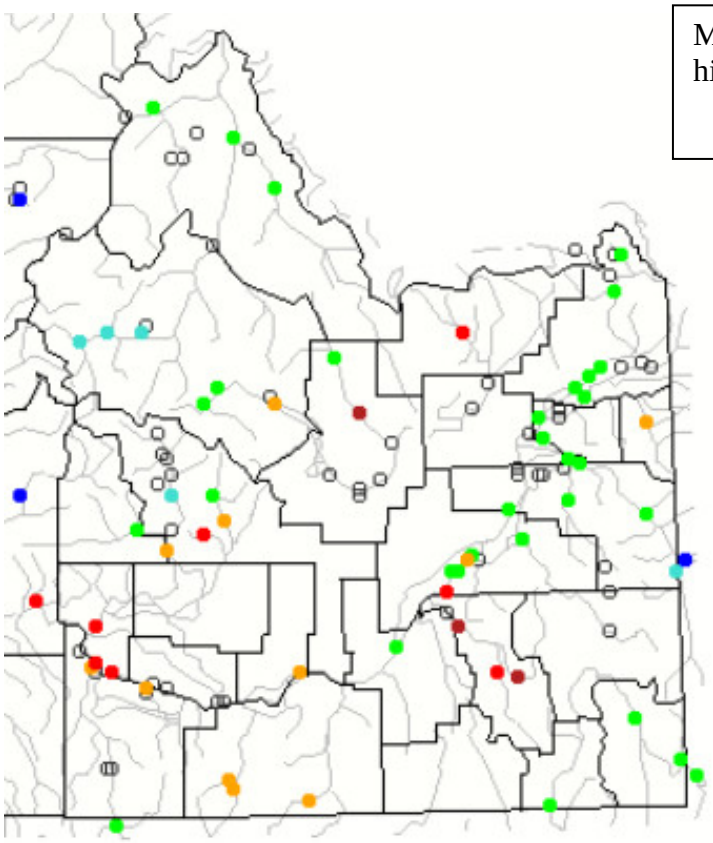
**Dam Level Condition**

No Data · Normal · Near Spill · Spill · Pass Flow · Critical · Forecast Spill

| | NWS ID | Location | Level Condition | Current Level | Observed Date | Forecast Peak (5 days) | Peak Date | Gate Level | Gate | Pass Flow Level | Crit Level |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BLKI1 | Bear River - Bear Lake, Nr Lifton | | *5913.1e* | 3/16 06:00 | *5913.2* | 3/20 04:00 | | | | 5925 |

**cbrfc.noaa.gov/gmap/list/list.php?search=&point=all&plot=&sort=damcritids&type=damcrit&basin=5&subbasin=0&espqpf=0&espdist=empirical**

**Streamflow:**



Monthly average streamflow compared to historical average streamflow for February 2015.

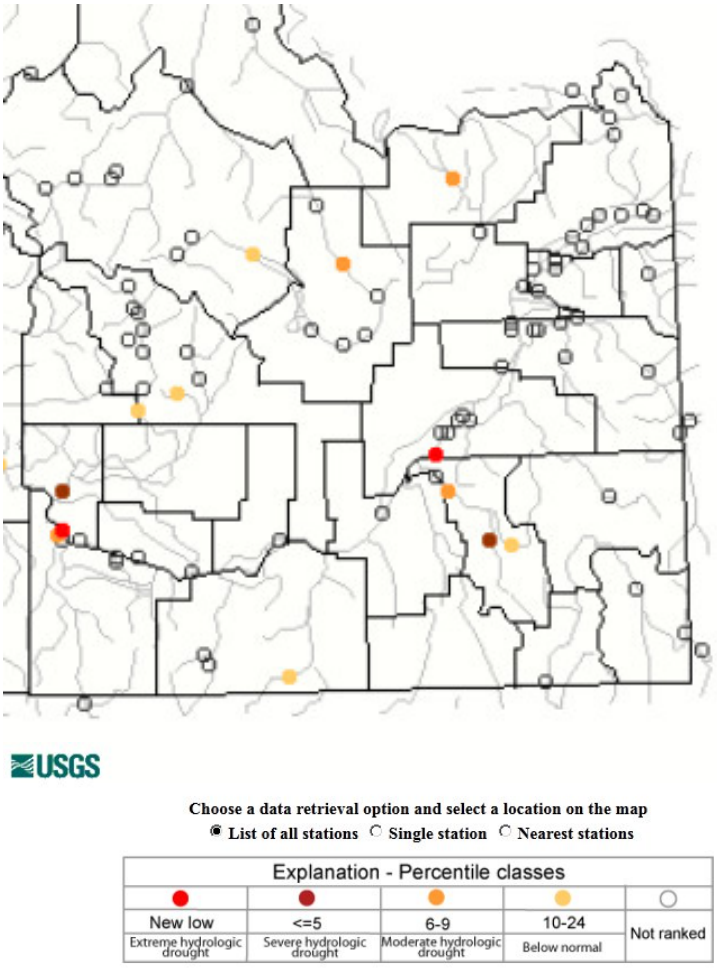
USGS

**waterwatch.usgs.gov/?m=mv01d&r=id&w=map**

| Explanation - Percentile classes | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Low | <10<br>Much below normal | 10-24<br>Below normal | 25-75<br>Normal | 76-90<br>Above normal | >90<br>Much above normal | High | Not-ranked |

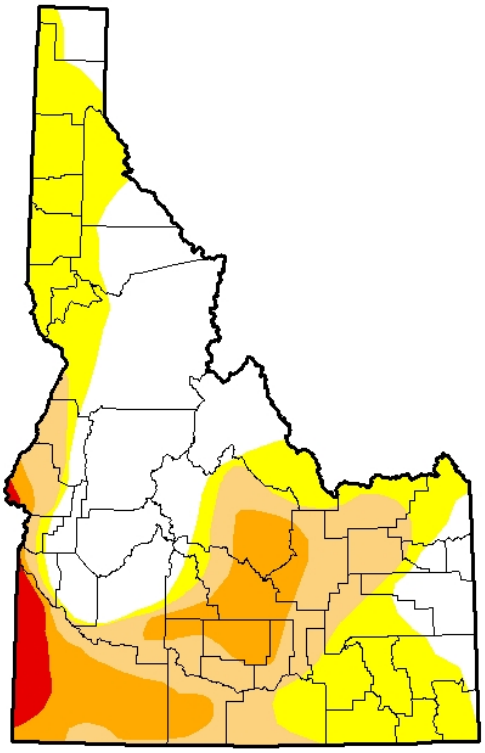
**Below Normal 28-Day average streamflow as of March 9, 2015 (see graphic below):**

Spring Creek nr Fort Hall, 259.7 cfs, 2nd percentile, (new low),
Marsh Creek nr McCammon, 45.57 cfs, 3rd percentile,




**waterwatch.usgs.gov/index.php?m=pa28d_dry&r=id&w=map**

## Drought Information:




**March 10, 2015**

*(Released Thursday, Mar. 12, 2015)*

Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|---|---|---|---|---|---|---|
| **Current** | 35.11 | 64.89 | 35.12 | 15.42 | 2.41 | 0.00 |
| **Last Week** 3/3/2015 | 35.11 | 64.89 | 35.00 | 15.42 | 2.41 | 0.00 |
| **3 Months Ago** 12/9/2014 | 21.08 | 78.92 | 44.14 | 19.49 | 3.53 | 0.00 |
| **Start of Calendar Year** 12/30/2014 | 23.76 | 76.24 | 41.73 | 18.49 | 3.40 | 0.00 |
| **Start of Water Year** 9/30/2014 | 13.19 | 86.81 | 52.39 | 26.35 | 3.53 | 0.00 |
| **One Year Ago** 3/11/2014 | 37.11 | 62.89 | 44.70 | 30.34 | 1.63 | 0.00 |

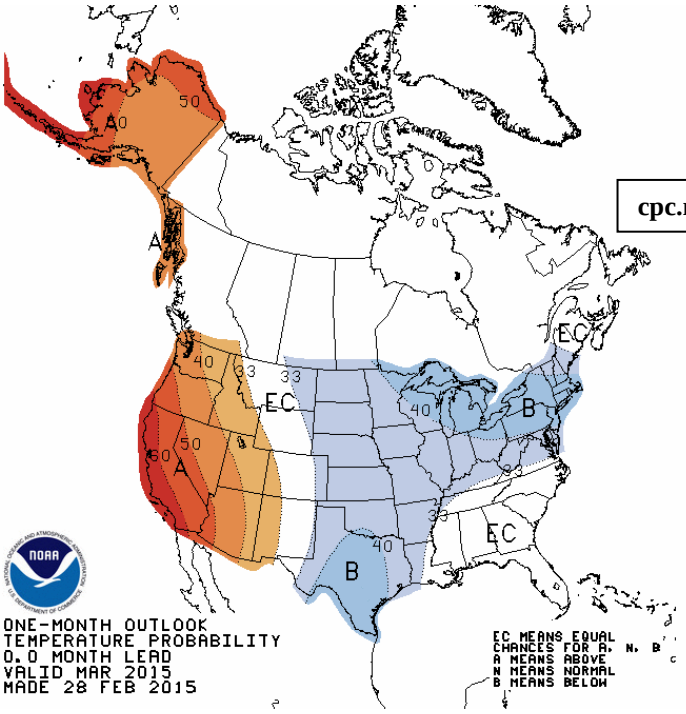
*Intensity:*

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

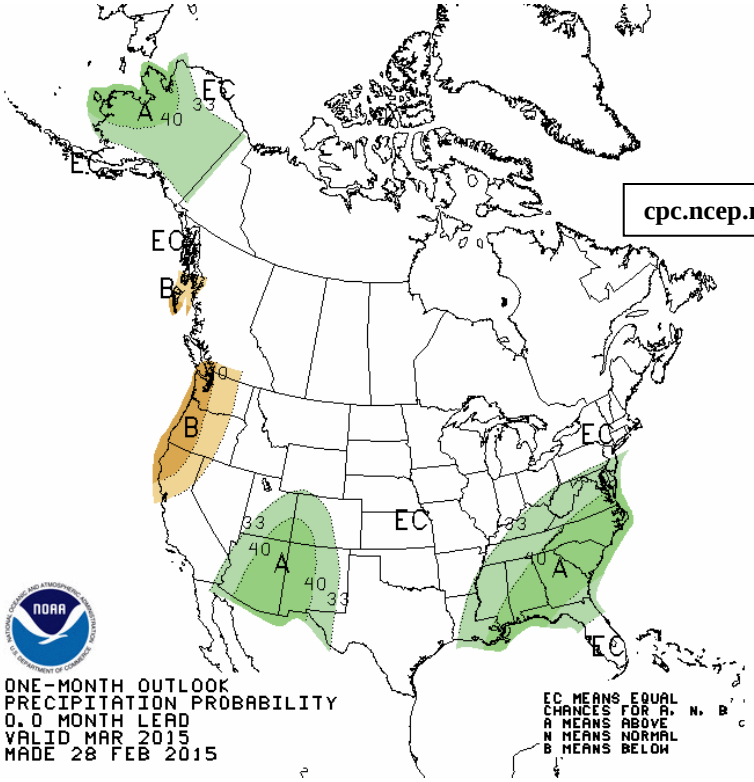
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

**Author:**
*Matthew Rosencrans*
*CPC/NCEP/NWS/NOAA*

**http://droughtmonitor.unl.edu/**




**cpc.ncep.noaa.gov/products/predictions/30day/off15_temp.gif**

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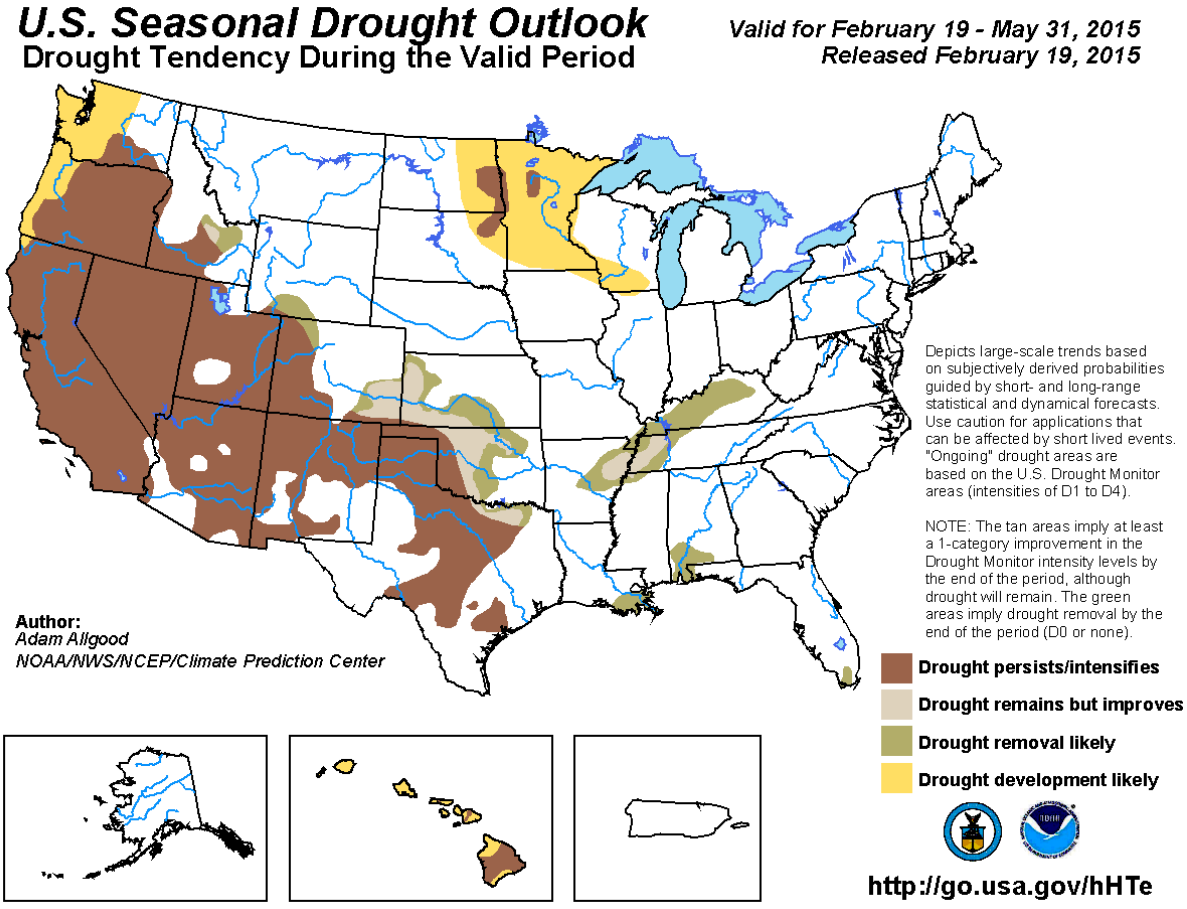


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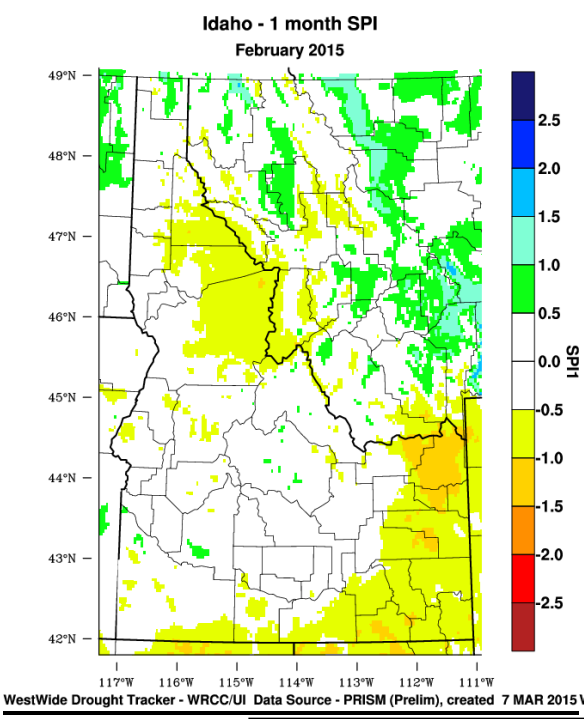
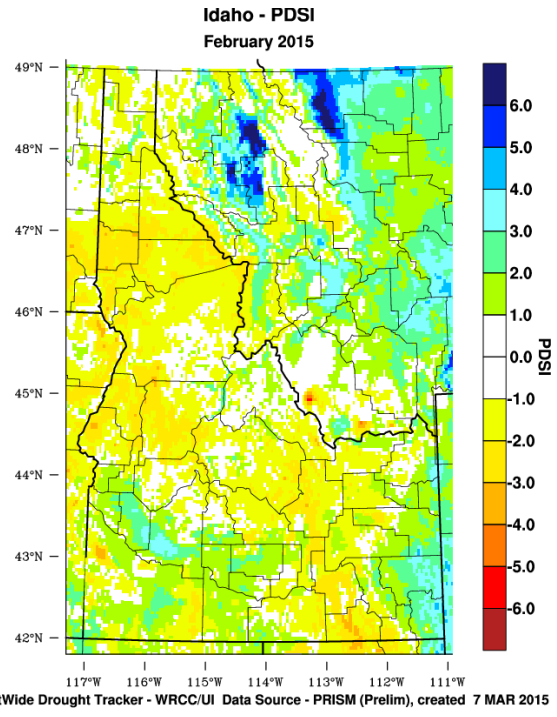
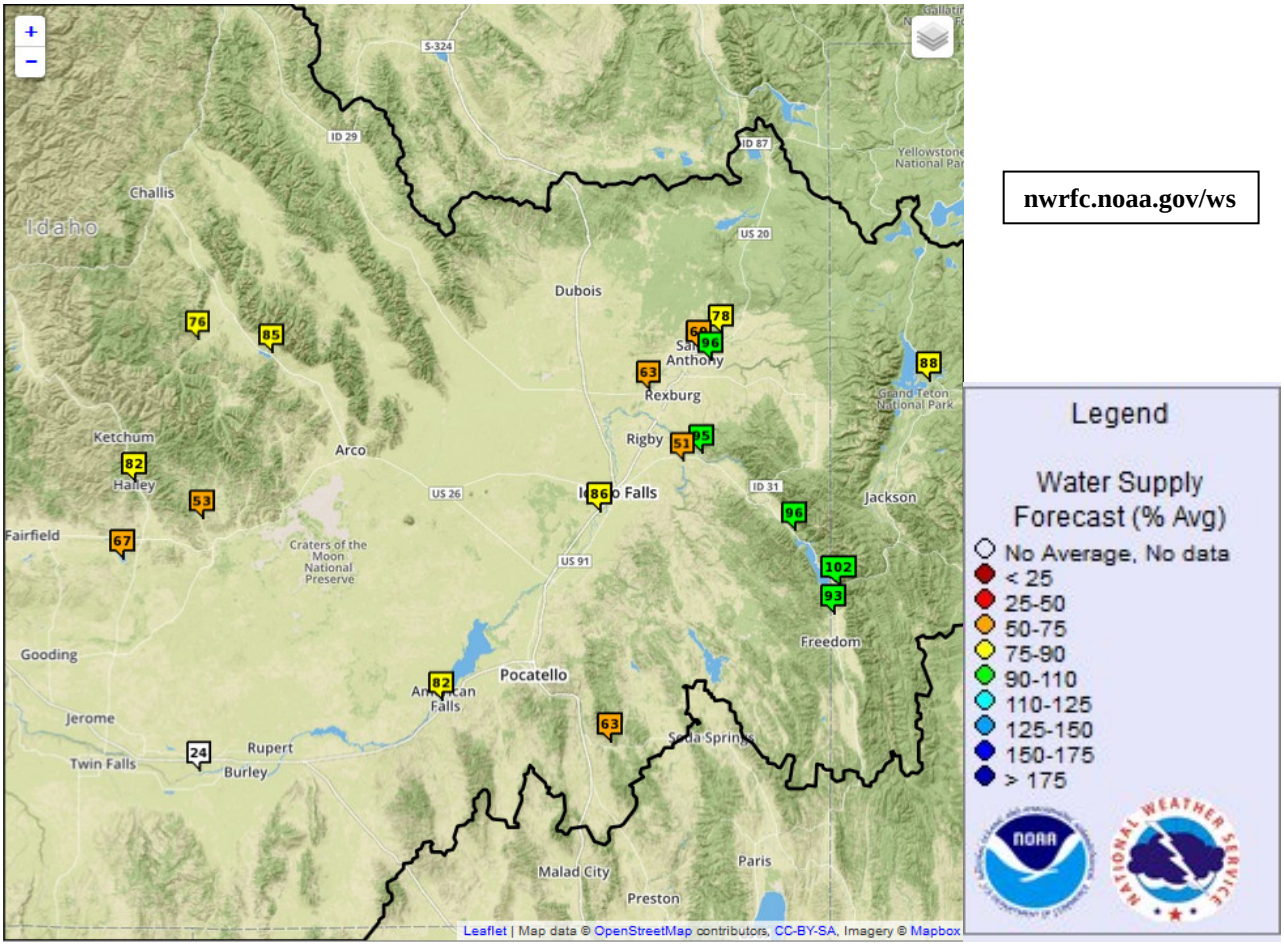



**wrcc.dri.edu/monitor/WWDT/index.php?region=id**

**<u>Water Supply:</u>** **NWRFC Water Supply Volume Forecast Map (3/9/15):**




**nwrfc.noaa.gov/ws**

**NWRFC Water Supply Forecasts:**
Ensemble Date: 2015-03-15 Issued Date: 2015-03-15

| ID | Forecast Period | Name | 90% Exceedence KAF | 50% Exceedence KAF | % Normal | 10% Exceedence KAF | 30 Year Normal |
|---|---|---|---|---|---|---|---|
| AMFI1 | APR-SEP | SNAKE - AT AMERICAN FALLS DAM | 1567 | 2055 | 73 | 2994 | 2806 |
| ANTI1 | APR-SEP | HENRYS FORK - AT ST. ANTHONY | 445 | 536 | 64 | 710 | 836 |
| CHEI1 | APR-SEP | FALL RIVER - NEAR CHESTER | 233 | 272 | 73 | 353 | 375 |
| HALI1 | APR-SEP | BIG WOOD - AT HAILEY | 152 | 199 | 76 | 282 | 263 |
| HEII1 | APR-SEP | SNAKE - NEAR HEISE | 3092 | 3400 | 90 | 4122 | 3785 |
| HWRI1 | APR-SEP | BIG LOST - AT HOWELL RANCH NEAR CHILLY | 81.06 | 129 | 72 | 186 | 180 |
| MACI1 | APR-SEP | BIG LOST - MACKAY RESERVOIR NEAR MACKAY | 77.18 | 124 | 82 | 181 | 151 |
| MAGI1 | APR-SEP | BIG WOOD - MAGIC DAM | 100 | 159 | 60 | 286 | 264 |
| PALI1 | APR-SEP | SNAKE - NEAR IRWIN | 2862 | 3161 | 90 | 3842 | 3501 |
| REXI1 | APR-SEP | HENRYS FORK - AT REXBURG | 908 | 1072 | 60 | 1365 | 1785 |
| RIRI1 | APR-SEP | WILLOW CREEK - NEAR RIRIE | 18.5 | 32.38 | 47 | 64.45 | 69.00 |
| SFLN2 | APR-SEP | SALMON FALLS CREEK - NR SAN JACINTO | 9.22 | 18.21 | 25 | 55.45 | 74.00 |
| SHYI1 | APR-SEP | SNAKE - NEAR SHELLEY | 3653 | 4096 | 81 | 5012 | 5051 |
| TEAI1 | APR-SEP | TETON - NEAR ST. ANTHONY | 355 | 423 | 92 | 536 | 457 |
| TOPI1 | APR- | PORTNEUF - AT | 34.95 | 44.22 | 55 | 60.11 | 81.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | SEP | TOPAZ | | | | | |
| WODI1 | APR-SEP | LITTLE WOOD - NEAR CAREY | 20.6 | 40.19 | 48 | 75.91 | 83.00 |

**nwrfc.noaa.gov/water_supply/ws_summary.cgi**

**For a table format of the current volume forecasts and current runoff for WFO PIH:**

**nwrfc.noaa.gov/water_supply/ws_report.cgi**

## CBRFC Water Supply Forecast Report for Bear River basin (March 1 Forecast):

Water Supply Volume Percent Average/Median Condition
▲<70 △70-90 ▲90-110 △110-130 ▲>130 ▲Regulated

Options (on/off): Plot
Area: CBRFC Green Colorado San Juan Great Sevier Virgin Low Col WGRFC ABRFC

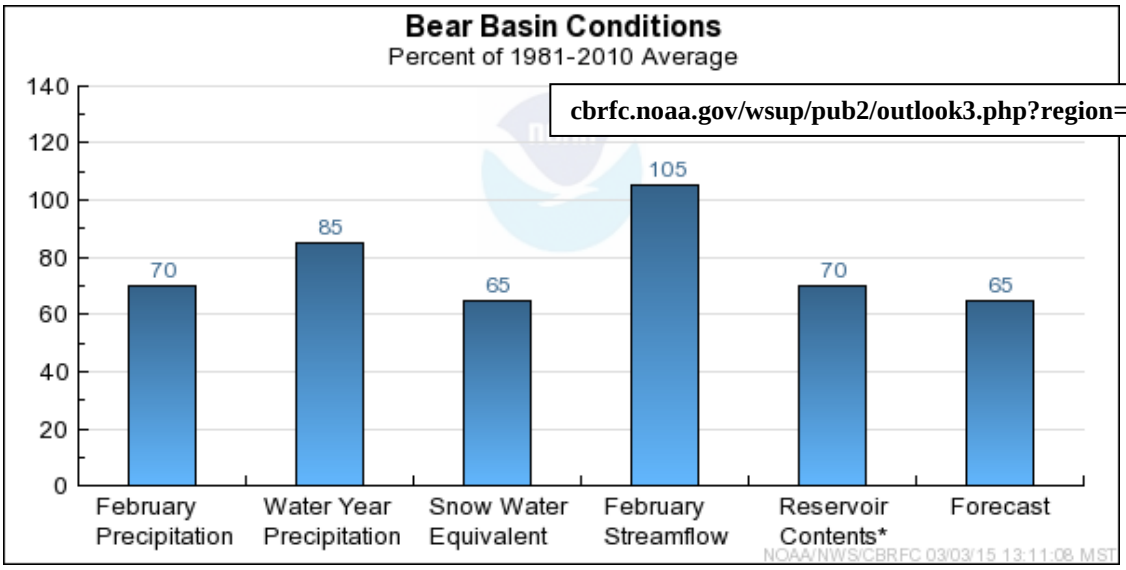
Columns (on/off): Area Sub Area NWS ID DS River Location Forecast Date Avg Cond Med Cond Forecast Period Min 90 MP 50 Max 10 Avg Me

Click column heading to sort by that data. Click ID to view point info. Click Area, Sub Area, or Forecast Period to show only those points.

| | Area | Sub Area | NWS ID | River | Location | Forecast Date | Avg Cond | Med Cond | Forecast Period | Min 90 | MP 50 | Max 10 | Avg | Med | Pct Avg | Pct Med |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Great | Bear | BERU1 | Bear | Utah | 2015-3-1 | △ | △ | Apr 01-Jul 31 | 71 | **91** | 123 | 112 | 106 | *81* | *86* |
| 2 | Great | Bear | BEAW4 | Bear | Woodruff Narrows Rsvr | 2015-3-1 | ▲ | △ | Apr 01-Jul 31 | 58 | **80** | 127 | 121 | 110 | *66* | *73* |
| 3 | Great | Bear | BORW4 | Smiths Fork | Border | 2015-3-1 | ▲ | ▲ | Apr 01-Jul 31 | 68 | **84** | 106 | 89 | 80 | *94* | *105* |
| 4 | Great | Bear | STDI1 | Bear | Montpelier | 2015-3-1 | ▲ | ▲ | Apr 01-Jul 31 | 59 | **84** | 147 | 182 | 117 | *46* | *72* |
| 5 | Great | Bear | LGNU1 | Logan | Logan | 2015-3-1 | ▲ | △ | Apr 01-Jul 31 | 55 | **72** | 105 | 111 | 97 | *65* | *74* |
| 6 | Great | Bear | HRMU1 | Blacksmith Fork | Hyrum | 2015-3-1 | ▲ | △ | Apr 01-Jul 31 | 16.6 | **22** | 35 | 43 | 29 | *51* | *76* |
| 7 | Great | Bear | PRZU1 | Little Bear | Paradise | 2015-3-1 | ▲ | ▲ | Apr 01-Jul 31 | 10.7 | **18.3** | 29 | 47 | 51 | *39* | *36* |

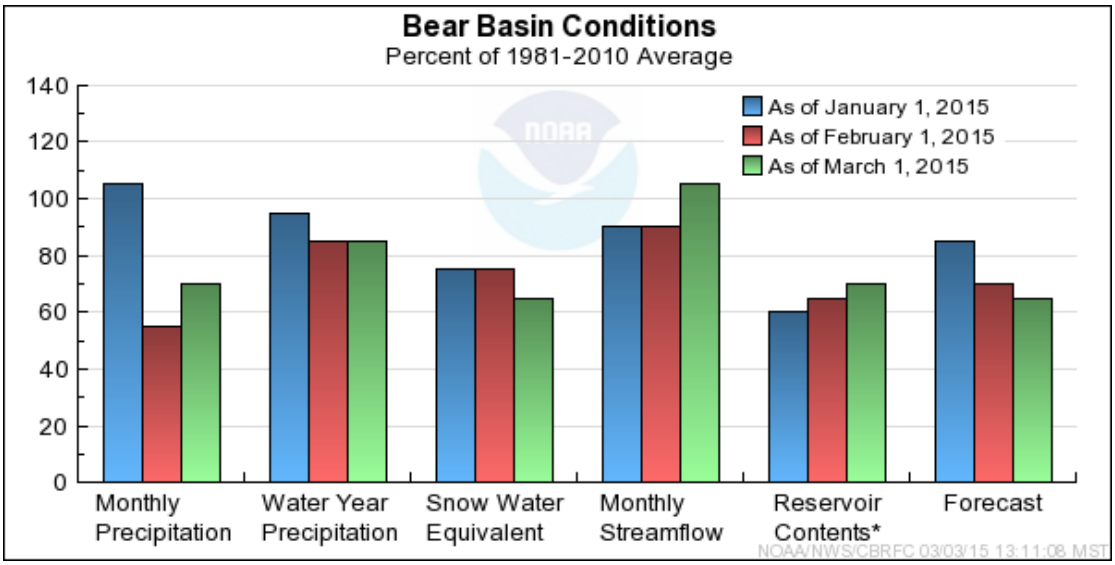
**cbrfc.noaa.gov/rmap/wsup/wsuplist.php**

## Bear River Basin Conditions:




**cbrfc.noaa.gov/wsup/pub2/outlook3.php?region=sl&month=3&year=2015#br**

Snow Water Equivalent in Percent of Median.
* Percent usable capacity, not percent average contents.




**cbrfc.noaa.gov/wsup/pub2/graph/png/br.cond.2015.3.png**

## NRCS-NWCC Water Supply Forecast Report for upper Snake River basin (March 1 Forecast):

**WOOD AND LOST RIVER BASINS**

| Forecast Point | period | 50% (KAF) | % of avg | max (KAF) | 30% (KAF) | 70% (KAF) | min (KAF) | 30-yr avg |
|---|---|---|---|---|---|---|---|---|
| Big Wood R at Hailey | APR-SEP | 205 | 77 | 300 | 245 | 163 | 104 | 265 |
| Big Wood R ab Magic Reservoir | APR-SEP | 120 | 66 | 220 | 161 | 79 | 17.8 | 182 |
| Camas Ck nr Blaine | APR-SEP | 19.8 | 24 | 59 | 33 | 9.9 | 1.53 | 83 |
| Big Wood R bl Magic Dam | APR-SEP | 174 | 66 | 325 | 235 | 113 | 24 | 265 |
| Little Wood R ab High Five Ck | APR-SEP | 53 | 71 | 98 | 71 | 35 | 8.0 | 75 |
| Little Wood R near Carey | APR-SEP | 56 | 67 | 104 | 75 | 36 | 6.9 | 83 |
| Big Lost R at Howell Ranch | APR-SEP | 136 | 76 | 210 | 164 | 111 | 79 | 180 |
| Big Lost R bl Mackay Reservoir | APR-SEP | 107 | 71 | 182 | 138 | 77 | 33 | 150 |
| Little Lost R nr Howe | APR-SEP | 26 | 76 | 40 | 31 | 21 | 14.8 | 34 |
| Camas Ck at Camas | **APR-JUL** | 4.9 | 18 | 19.0 | 9.8 | 2.5 | 0.28 | 28 |

UPPER SNAKE RIVER BASIN

| Forecast Point | period | 50% (KAF) | % of avg | max (KAF) | 30% (KAF) | 70% (KAF) | min (KAF) | 30-yr avg |
|---|---|---|---|---|---|---|---|---|
| Henrys Fk nr Ashton | APR-SEP | 545 | 77 | 710 | 610 | 480 | 385 | 710 |
| Henrys Fk nr Rexburg | APR-SEP | 1380 | 77 | 1830 | 1560 | 1190 | 920 | 1790 |
| Falls R nr Ashton | APR-SEP | 355 | 82 | 450 | 395 | 320 | 265 | 435 |
| Teton R nr Driggs | APR-SEP | 168 | 87 | 230 | 193 | 142 | 104 | 193 |
| Teton R nr St Anthony | APR-SEP | 390 | 90 | 520 | 445 | 335 | 260 | 435 |
| Snake R at Flagg Ranch | APR-SEP | 445 | 87 | 560 | 490 | 395 | 325 | 510 |
| Snake R nr Moran | APR-SEP | 725 | 86 | 905 | 800 | 655 | 545 | 845 |
| Pacific Ck at Moran | APR-SEP | 166 | 96 | 215 | 186 | 147 | 118 | 173 |
| Buffalo Fk ab Lava Ck nr Moran | APR-SEP | 315 | 98 | 395 | 345 | 285 | 235 | 320 |
| Snake R ab Reservoir nr Alpine | APR-SEP | 2390 | 96 | 2890 | 2590 | 2190 | 1900 | 2500 |
| Greys R ab Reservoir nr Alpine | APR-SEP | 355 | 99 | 430 | 385 | 320 | 275 | 360 |
| Salt R ab Reservoir nr Etna | APR-SEP | 325 | 88 | 450 | 375 | 270 | 195 | 370 |
| Snake R nr Irwin | APR-SEP | 3230 | 92 | 4000 | 3540 | 2920 | 2470 | 3500 |
| Snake R nr Heise | APR-SEP | 3500 | 93 | 4320 | 3830 | 3170 | 2680 | 3780 |
| Willow Ck nr Ririe | **MAR-JUL** | 26 | 39 | 56 | 37 | 17.1 | 7.4 | 67 |
| Portneuf R at Topaz | **MAR-SEP** | 58 | 62 | 85 | 68 | 48 | 36 | 93 |
| Snake R at Neeley | APR-SEP | 1420 | 51 | 2800 | 1980 | 860 | 37 | 2810 |

**SOUTHSIDE SNAKE RIVER BASINS**

| Forecast Point | period | 50% (KAF) | % of avg | max (KAF) | 30% (KAF) | 70% (KAF) | min (KAF) | 30-yr avg |
|---|---|---|---|---|---|---|---|---|
| Goose Ck ab Trapper Ck nr Oakley | **MAR-SEP** | 18.6 | 78 | 31 | 23 | 14.5 | 9.3 | 24 |
| Trapper Ck nr Oakley | **MAR-SEP** | 6.3 | 89 | 8.0 | 7.0 | 5.7 | 4.9 | 7.1 |
| Oakley Reservoir Inflow | **MAR-SEP** | 25 | 81 | 39 | 30 | 20 | 13.9 | 31 |
| Salmon Falls Ck nr San Jacinto | **MAR-SEP** | 56 | 66 | 86 | 67 | 45 | 32 | 85 |

**BEAR RIVER BASIN**

| Forecast Point | period | 50% (KAF) | % of avg | max (KAF) | 30% (KAF) | 70% (KAF) | min (KAF) | 30-yr avg |
|---|---|---|---|---|---|---|---|---|
| Bear R nr UT-WY State Line | APR-SEP | 80 | 65 | 116 | 94 | 65 | 43 | 123 |
| Bear R ab Res nr Woodruff | APR-SEP | 70 | 55 | 118 | 90 | 50 | 22 | 128 |

Max (10%), 30%, 50%, 70% and Min (90%) chance that actual volume will exceed forecast.
Averages are for the 1981-2010 period.
All volumes are in thousands of acre-feet.

footnotes:
1) Max and Min are 5% and 95% chance that actual volume will exceed forecast
2) streamflow is adjusted for upstream storage
3) median value used in place of average

**ftp://ftp-fc.sc.egov.usda.gov/ID/snow/webftp/watersupply/forecasts/ID03.txt**

cc:

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Kevin Berghoff, Senior Hydrologist, Northwest River Forecast Center
Taylor Dixon, Hydrologist, Northwest River Forecast Center
Brent Bernard, Hydrologist, Colorado Basin River Forecast Center
PIH Mets/HMT’s

End

cbl